



CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. James Filippini
Mr. Douglas Lamb
Water Division Compliance Branch
United States Environmental Protection Agency, Region V
77 West Jackson Boulevard (WC-15J)
Chicago, Illinois 60604-3590

August 31, 2012
PJ/DW

RECEIVED

SEP 05 2012

WATER ENFORCEMENT & COMPLIANCE
ASSURANCE BRANCH, ÉPA, REGION 5

Subject: Annual Dock Wall Observation and Repair
Consent Decree – Case No. 2:96-CV-96-RL-1
ArcelorMittal Burns Harbor LLC

Dear Messrs. Filippini and Lamb:

Attachment 1 is the summary report of the annual dock wall inspection for 2012. This document summarizes the results of the annual dock wall observation that was conducted on August 7, 2012 by Weaver Boos Consultants, LLC, a contractor to ArcelorMittal Burns Harbor, as required by Paragraph 21 of the subject decree.

During the annual observation, eight (8) locations were found along the dock wall with discernible discharges of flowing water. Notification regarding these findings was made via e-mail to Ms. Jennifer Cheever (EPA 5 Water Division) and Ms. Susan Prout (EPA 5 Office of Regional Counsel) by T. E. Kirk on August 8, 2012.

All of the locations were found in the coffer dam section of the dock wall. The height above the Lake Michigan level and the estimated flow from each location is noted in Attachment 1.

Samples were obtained from all locations and submitted to a contract analytical laboratory for nitrogen-ammonia analysis. The results of these analyses are provided in Attachment 2. The results are also summarized in the Attachment 1 table and used to estimate the amount of ammonia discharged, on a daily basis, from these locations. Digital photographs of each of the locations were also obtained and are provided in Attachment 3.



Repairs are scheduled to begin on September 10, 2012. Photographs of the locations after repair/sealing will be provided in a separate report.

No one particular cause for the discharges was identified. Because all of the discharges were observed along the coffer dam section of the harbor wall and the nitrogen-ammonia concentration of the discharges is below the concentration of the groundwater being captured by the dewatering well system (i.e., average of 7.8mg/L for the previous 12 months), it is surmised that these concrete cellular revetments were discharging accumulated stormwater runoff that had inadvertently seeped through the caps of these structures. Therefore, the source of the water is not groundwater that is adequately being controlled by the dewatering well system. Based on the ammonia concentrations and estimated flows summarized in Attachment 1, less than three quarters of one pound of ammonia per day was being discharged to the harbor from all 8 locations. Notwithstanding, Burns Harbor has responded as quickly as possible to the identification of the locations in order to timely minimize and/or eliminate any potential impact.

If there are any questions concerning this matter, please contact T. E. Kirk or me at (219) 787-2712.

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein and that I have made a diligent inquiry of those individuals immediately responsible for obtaining the information and that to the best of my knowledge and belief, the information submitted herewith is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Very truly yours,

R. A. Maciel, Manager
Environmental Management Department

Attachments

CC: J. Jungmann, EPA Region 5 Water Division (WC-15J)

ArcelorMittal Burns Harbor, LLC
Annual Dock Wall Observation
Consent Decree – Case No. 2:96-CV-96-RL-1

Attachment 1 – Summary Report of the Annual dock Wall Inspection

ArcelorMittal Burns Harbor, LLC
August 7, 2012 Dock Wall Inspection
Performed by: Weaver Boos Consultants

ID Number	Height Above Water (feet)	Estimated Flow Rate (Liters/minute)	Estimated Flow (Gal/Min)	Ammonia Concentration* (mg/L)	Ammonia Dischage (Pounds/day)	Date of Repair
12-1	0.2	20	5.3	5.0	0.31	TBD
12-2	7	8	2.1	4.8	0.12	TBD
12-3	8	2	0.5	2.2	0.01	TBD
12-4	5	2	0.5	0.8	<0.01	TBD
12-5	7	1.5	0.4	5.5	0.03	TBD
12-6	2	8	2.1	3.2	0.08	TBD
12-7	2	20	5.2	2.5	0.16	TBD
12-8	1	3	0.8	0.1	<.01	TBD

Total Potential Ammonia Discharge (pounds per day) from all locations: 0.73

* Results reported are the larger of the sample and duplicate analysis.

ArcelorMittal Burns Harbor, LLC
Annual Dock Wall Observation
Consent Decree – Case No. 2:96-CV-96-RL-1

Attachment 2 – Nitrogen Ammonia Analytical Results



August 15, 2012

Arcelor Mittal USA, Inc.
250 W US Highway 12
Burns Harbor, IN 46304-9745

Work Order No.: 12H0322

Re: Ore Dock Wall

Dear Teri Kirk:

Microbac Laboratories, Inc. - Chicagoland Division received 16 sample(s) on 8/8/2012 10:10:00AM for the analyses presented in the following report as Work Order 12H0322.

The enclosed results were obtained from and are applicable to the sample(s) as received at the laboratory. All sample results are reported on an "as received" basis unless otherwise noted.

All data included in this report have been reviewed and meet the applicable project specific and certification specific requirements, unless otherwise noted. A qualifications page is included in this report and lists the programs under which Microbac maintains certification.

This report has been paginated in its entirety and shall not be reproduced except in full, without the written approval of Microbac Laboratories.

We appreciate the opportunity to service your analytical needs. If you have any questions, please contact your project manager. For any feedback, please contact Robert Crookston, Interim Managing Director at robert.crookston@microbac.com. You may also contact Sean Hyde, Chief Operating Officer at sean.hyde@microbac.com or James Nokes, President at james.nokes@microbac.com.

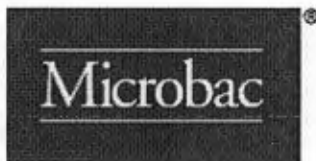
Sincerely,
Microbac Laboratories, Inc.

A handwritten signature in black ink that reads "Carey Gadzala".

Carey Gadzala
Project Manager

**WORK ORDER SAMPLE SUMMARY****Date:** *Wednesday, August 15, 2012***Client:** Arcelor Mittal USA, Inc.**Project:** Ore Dock Wall**Lab Order:** 12H0322

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
12H0322-01	12-1		08/07/2012 09:20	8/8/2012 10:10:00AM
12H0322-02	12-1D		08/07/2012 09:20	8/8/2012 10:10:00AM
12H0322-03	12-2		08/07/2012 09:55	8/8/2012 10:10:00AM
12H0322-04	12-2D		08/07/2012 09:55	8/8/2012 10:10:00AM
12H0322-05	12-3		08/07/2012 10:10	8/8/2012 10:10:00AM
12H0322-06	12-3D		08/07/2012 10:10	8/8/2012 10:10:00AM
12H0322-07	12-4		08/07/2012 10:52	8/8/2012 10:10:00AM
12H0322-08	12-4D		08/07/2012 10:52	8/8/2012 10:10:00AM
12H0322-09	12-5		08/07/2012 11:05	8/8/2012 10:10:00AM
12H0322-10	12-5D		08/07/2012 11:05	8/8/2012 10:10:00AM
12H0322-11	12-6		08/07/2012 11:25	8/8/2012 10:10:00AM
12H0322-12	12-6D		08/07/2012 11:25	8/8/2012 10:10:00AM
12H0322-13	12-7		08/07/2012 11:35	8/8/2012 10:10:00AM
12H0322-14	12-7D		08/07/2012 11:35	8/8/2012 10:10:00AM
12H0322-15	12-8		08/07/2012 11:50	8/8/2012 10:10:00AM
12H0322-16	12-8D		08/07/2012 11:50	8/8/2012 10:10:00AM



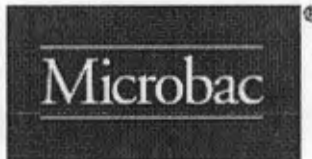
Analytical Results

Date: Wednesday, August 15, 2012

Client: Arcelor Mittal USA, Inc.
Client Project: Ore Dock Wall
Client Sample ID: 12-1
Sample Description:
Matrix: Aqueous

Work Order/ID: 12H0322-01
Sampled: 08/07/2012 9:20
Received: 08/08/2012 10:10

Analyses	AT	Result	RL	Qual	Units	DF	Analyzed
		Method: EPA 350.1 Rev 2.0				Analyst: GRIEF	
Nitrogen, Ammonia as N		Prep Method: Aqueous Ammonia Distillation				Prep Date/Time: 08/14/2012 11:00	
Nitrogen, Ammonia (As N)	A	5.0	0.10		mg/L	1	08/14/2012 16:07



Analytical Results

Date: Wednesday, August 15, 2012

Client: Arcelor Mittal USA, Inc.
Client Project: Ore Dock Wall
Client Sample ID: 12-1D
Sample Description:
Matrix: Aqueous

Work Order/ID: 12H0322-02
Sampled: 08/07/2012 9:20
Received: 08/08/2012 10:10

Analyses	AT	Result	RL	Qual	Units	DF	Analyzed
		Method: EPA 350.1 Rev 2.0				Analyst: GRIEF	
Nitrogen, Ammonia as N		Prep Method: Aqueous Ammonia Distillation				Prep Date/Time: 08/14/2012 14:10	
Nitrogen, Ammonia (As N)	A	3.8	0.10		mg/L	1	08/15/2012 9:47



Analytical Results

Date: Wednesday, August 15, 2012

Client: Arcelor Mittal USA, Inc.

Client Project: Ore Dock Wall

Client Sample ID: 12-2

Sample Description:

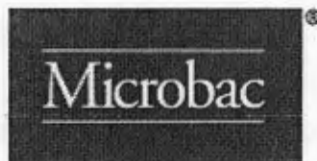
Matrix: Aqueous

Work Order/ID: 12H0322-03

Sampled: 08/07/2012 9:55

Received: 08/08/2012 10:10

Analyses	AT	Result	RL	Qual	Units	DF	Analyzed
		Method: EPA 350.1 Rev 2.0				Analyst: GRIEF	
Nitrogen, Ammonia as N		Prep Method: Aqueous Ammonia Distillation				Prep Date/Time: 08/14/2012 14:10	
Nitrogen, Ammonia (As N)	A	4.8	0.10		mg/L	1	08/15/2012 9:49



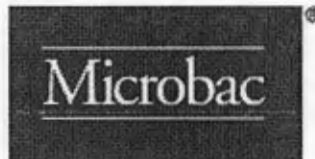
Analytical Results

Date: Wednesday, August 15, 2012

Client: Arcelor Mittal USA, Inc.
Client Project: Ore Dock Wall
Client Sample ID: 12-2D
Sample Description:
Matrix: Aqueous

Work Order/ID: 12H0322-04
Sampled: 08/07/2012 9:55
Received: 08/08/2012 10:10

Analyses	AT	Result	RL	Qual	Units	DF	Analyzed
		Method: EPA 350.1 Rev 2.0				Analyst: GRIEF	
Nitrogen, Ammonia as N		Prep Method: Aqueous Ammonia Distillation				Prep Date/Time: 08/14/2012 14:10	
Nitrogen, Ammonia (As N)	A	4.3	0.10		mg/L	1	08/15/2012 9:51



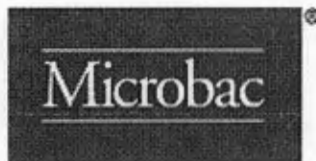
Analytical Results

Date: Wednesday, August 15, 2012

Client: Arcelor Mittal USA, Inc.
Client Project: Ore Dock Wall
Client Sample ID: 12-3
Sample Description:
Matrix: Aqueous

Work Order/ID: 12H0322-05
Sampled: 08/07/2012 10:10
Received: 08/08/2012 10:10

Analyses	AT	Result	RL	Qual	Units	DF	Analyzed
		Method: EPA 350.1 Rev 2.0		Analyst: GRIEF			
Nitrogen, Ammonia as N		Prep Method: Aqueous Ammonia Distillation		Prep Date/Time: 08/14/2012 14:10			
Nitrogen, Ammonia (As N)	A	2.0	0.10		mg/L	1	08/15/2012 9:53



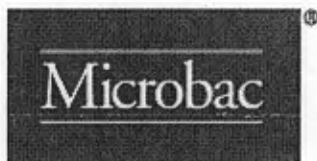
Analytical Results

Date: Wednesday, August 15, 2012

Client: Arcelor Mittal USA, Inc.
Client Project: Ore Dock Wall
Client Sample ID: 12-3D
Sample Description:
Matrix: Aqueous

Work Order/ID: 12H0322-06
Sampled: 08/07/2012 10:10
Received: 08/08/2012 10:10

Analyses	AT	Result	RL	Qual	Units	DF	Analyzed
Method: EPA 350.1 Rev 2.0			Analyst: GRIEF				
Prep Method: Aqueous Ammonia Distillation			Prep Date/Time: 08/14/2012 14:10				
Nitrogen, Ammonia as N	A	2.2	0.10		mg/L	1	08/15/2012 9:55



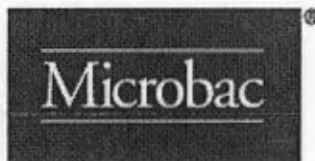
Analytical Results

Date: Wednesday, August 15, 2012

Client: Arcelor Mittal USA, Inc.
Client Project: Ore Dock Wall
Client Sample ID: 12-4
Sample Description:
Matrix: Aqueous

Work Order/ID: 12H0322-07
Sampled: 08/07/2012 10:52
Received: 08/08/2012 10:10

Analyses	AT	Result	RL	Qual	Units	DF	Analyzed
		Method: EPA 350.1 Rev 2.0				Analyst: GRIEF	
Nitrogen, Ammonia as N		Prep Method: Aqueous Ammonia Distillation				Prep Date/Time: 08/14/2012 14:10	
Nitrogen, Ammonia (As N)	A	0.68	0.10		mg/L	1	08/15/2012 9:57



Analytical Results

Date: Wednesday, August 15, 2012

Client: Arcelor Mittal USA, Inc.

Client Project: Ore Dock Wall

Client Sample ID: 12-4D

Sample Description:

Matrix: Aqueous

Work Order/ID: 12H0322-08

Sampled: 08/07/2012 10:52

Received: 08/08/2012 10:10

Analyses	AT	Result	RL	Qual	Units	DF	Analyzed
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Method: EPA 350.1 Rev 2.0

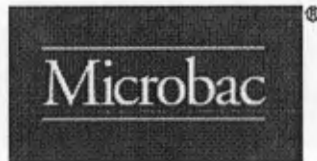
Analyst: GRIEF

Nitrogen, Ammonia as N

Prep Method: Aqueous Ammonia Distillation

Prep Date/Time: 08/14/2012 14:10

Nitrogen, Ammonia (As N)	A	0.77	0.10		mg/L	1	08/15/2012 9:59
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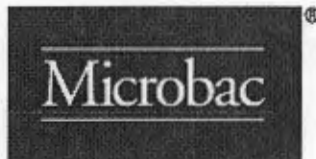
Analytical Results

Date: Wednesday, August 15, 2012

Client: Arcelor Mittal USA, Inc.
Client Project: Ore Dock Wall
Client Sample ID: 12-5
Sample Description:
Matrix: Aqueous

Work Order/ID: 12H0322-09
Sampled: 08/07/2012 11:05
Received: 08/08/2012 10:10

Analyses	AT	Result	RL	Qual	Units	DF	Analyzed
		Method: EPA 350.1 Rev 2.0				Analyst: GRIEF	
Nitrogen, Ammonia as N		Prep Method: Aqueous Ammonia Distillation				Prep Date/Time: 08/14/2012 14:10	
Nitrogen, Ammonia (As N)	A	5.5	0.10		mg/L	1	08/15/2012 10:01



Analytical Results

Date: Wednesday, August 15, 2012

Client: Arcelor Mittal USA, Inc.

Client Project: Ore Dock Wall

Client Sample ID: 12-5D

Sample Description:

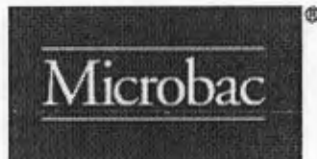
Matrix: Aqueous

Work Order/ID: 12H0322-10

Sampled: 08/07/2012 11:05

Received: 08/08/2012 10:10

Analyses	AT	Result	RL	Qual	Units	DF	Analyzed
		Method: EPA 350.1 Rev 2.0				Analyst: GRIEF	
Nitrogen, Ammonia as N		Prep Method: Aqueous Ammonia Distillation				Prep Date/Time: 08/15/2012 09:25	
Nitrogen, Ammonia (As N)	A	5.2	0.10		mg/L	1	08/15/2012 10:33



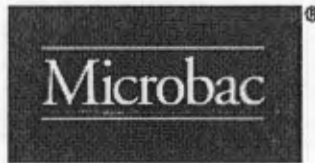
Analytical Results

Date: Wednesday, August 15, 2012

Client: Arcelor Mittal USA, Inc.
Client Project: Ore Dock Wall
Client Sample ID: 12-6
Sample Description:
Matrix: Aqueous

Work Order/ID: 12H0322-11
Sampled: 08/07/2012 11:25
Received: 08/08/2012 10:10

Analyses	AT	Result	RL	Qual	Units	DF	Analyzed
Method: EPA 350.1 Rev 2.0						Analyst: GRIEF	
Prep Method: Aqueous Ammonia Distillation						Prep Date/Time: 08/15/2012 09:25	
Nitrogen, Ammonia as N							
Nitrogen, Ammonia (As N)	A	3.2	0.10		mg/L	1	08/15/2012 10:39



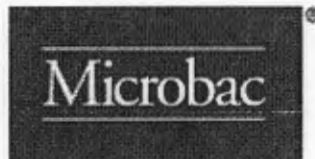
Analytical Results

Date: Wednesday, August 15, 2012

Client: Arcelor Mittal USA, Inc.
Client Project: Ore Dock Wall
Client Sample ID: 12-6D
Sample Description:
Matrix: Aqueous

Work Order/ID: 12H0322-12
Sampled: 08/07/2012 11:25
Received: 08/08/2012 10:10

Analyses	AT	Result	RL	Qual	Units	DF	Analyzed
		Method: EPA 350.1 Rev 2.0				Analyst: GRIEF	
Nitrogen, Ammonia as N		Prep Method: Aqueous Ammonia Distillation				Prep Date/Time: 08/15/2012 09:25	
Nitrogen, Ammonia (As N)	A	3.2	0.10		mg/L	1	08/15/2012 10:41



Analytical Results

Date: Wednesday, August 15, 2012

Client: Arcelor Mittal USA, Inc.
Client Project: Ore Dock Wall
Client Sample ID: 12-7
Sample Description:
Matrix: Aqueous

Work Order/ID: 12H0322-13
Sampled: 08/07/2012 11:35
Received: 08/08/2012 10:10

Analyses	AT	Result	RL	Qual	Units	DF	Analyzed
		Method: EPA 350.1 Rev 2.0		Analyst: GRIEF			
Nitrogen, Ammonia as N		Prep Method: Aqueous Ammonia Distillation		Prep Date/Time: 08/15/2012 09:25			
Nitrogen, Ammonia (As N)	A	2.4	0.10		mg/L	1	08/15/2012 10:43



Analytical Results

Date: Wednesday, August 15, 2012

Client: Arcelor Mittal USA, Inc.

Client Project: Ore Dock Wall

Client Sample ID: 12-7D

Sample Description:

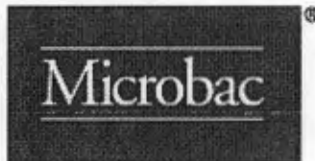
Matrix: Aqueous

Work Order/ID: 12H0322-14

Sampled: 08/07/2012 11:35

Received: 08/08/2012 10:10

Analyses	AT	Result	RL	Qual	Units	DF	Analyzed
		Method: EPA 350.1 Rev 2.0				Analyst: GRIEF	
Nitrogen, Ammonia as N		Prep Method: Aqueous Ammonia Distillation				Prep Date/Time: 08/15/2012 09:25	
Nitrogen, Ammonia (As N)	A	2.5	0.10		mg/L	1	08/15/2012 10:45



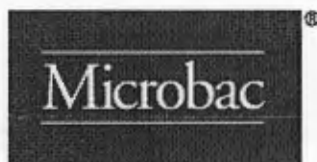
Analytical Results

Date: Wednesday, August 15, 2012

Client: Arcelor Mittal USA, Inc.
Client Project: Ore Dock Wall
Client Sample ID: 12-8
Sample Description:
Matrix: Aqueous

Work Order/ID: 12H0322-15
Sampled: 08/07/2012 11:50
Received: 08/08/2012 10:10

Analyses	AT	Result	RL	Qual	Units	DF	Analyzed
Method: EPA 350.1 Rev 2.0			Analyst: GRIEF				
Prep Method: Aqueous Ammonia Distillation			Prep Date/Time: 08/15/2012 09:25				
Nitrogen, Ammonia as N							
Nitrogen, Ammonia (As N)	A	ND	0.10		mg/L	1	08/15/2012 10:47



Analytical Results

Date: Wednesday, August 15, 2012

Client: Arcelor Mittal USA, Inc.
Client Project: Ore Dock Wall
Client Sample ID: 12-8D
Sample Description:
Matrix: Aqueous

Work Order/ID: 12H0322-16
Sampled: 08/07/2012 11:50
Received: 08/08/2012 10:10

Analyses	AT	Result	RL	Qual	Units	DF	Analyzed
		Method: EPA 350.1 Rev 2.0				Analyst: GRIEF	
Nitrogen, Ammonia as N		Prep Method: Aqueous Ammonia Distillation				Prep Date/Time: 08/15/2012 09:25	
Nitrogen, Ammonia (As N)	A	ND	0.10		mg/L	1	08/15/2012 10:53



FLAGS, FOOTNOTES AND ABBREVIATIONS (as needed)

B = Detected in the associated method Blank at a concentration above the routine RL
b = Detected in the associated method Blank at a concentration greater than 2.2 times the MDL
b* = Detected in the associated method Blank at a concentration greater than half the RL
CFU = Colony forming units
D = Dilution performed on sample
DF = Dilution Factor
g = Gram
E = Value above quantitation range
H = Analyte was prepared and/or analyzed outside of the analytical method holding time
I = Matrix Interference
J = Analyte concentration detected between RL and MDL (Metals / Organics)
LOD = Limit of Detection
m3 = Meters cubed
MDL = Method Detection Limit
mg/Kg = Milligrams per Kilogram (ppm)
mg/L = Milligrams per Liter (ppm)
NA = Not Analyzed
ND = Not Detected at the Reporting Limit (or the Method Detection Limit, if used)
NR = Not Recovered
R = RPD outside accepted recovery limits
RL = Reporting Limit
S = Spike recovery outside recovery limits
Surr = Surrogate
U = Undetected
> = Greater than
< = Less than
% = Percent

ANALYTE TYPES: (AT)

A,B = Target Analyte
I = Internal Standard
M = Summation Analyte
S = Surrogate
T = Tentatively Identified Compound (TIC, concentration estimated)

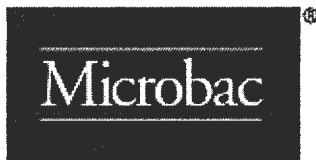
QC SAMPLE IDENTIFICATIONS

BLK = Method Blank	ICSA = Interference Check Standard "A"
DUP = Method Duplicate	ICSAB = Interference Check Standard "AB"
BS = Method Blank Spike	BSD = Method Blank Spike Duplicate
MS = Matrix Spike	MSD = Matrix Spike Duplicate
ICB = Initial Calibration Blank	ICV = Initial Calibration Verification
CCB = Continuing Calibration Blank	CCV = Continuing Calibration Verification
CRL = Client Required Reporting Limit	OPR = Ongoing Precision and Recovery Standard
PDS = Post Digestion Spike	SD = Serial Dilution
QCS = Quality Control Standard	

CERTIFICATIONS

Below is a list of certifications maintained by the Microbac Merrillville Laboratory. All data included in this report has been reviewed for and meets all project specific and quality control requirements of the applicable accreditation, unless otherwise noted. Complete lists of individual analytes pursuant to each certification below are available upon request.

- ¹ The American Association for Laboratory Accreditation [A2LA] for Biological Testing, ISO/IEC 17025 (Certificate# 3045.01)
- ² The American Association for Laboratory Accreditation [A2LA] for Environmental Department of Defense Testing, ISO/IEC 17025 (Certificate# 3045.02)
- ³ Illinois EPA for the analysis wastewater and solid waste in accordance with the requirements of the National Environmental Laboratory Accreditation Program [NELAP] (accreditation #200064)
- ⁴ Illinois Department of Public Health for the microbiological analysis of drinking water (registry #1755266)
- ⁵ Indiana DEM approved support laboratory for solid waste and wastewater analyses
- ⁶ Indiana SDH for the chemical analysis of drinking water (lab #C-45-03)
- ⁷ Indiana SDH for the microbiological analysis of drinking water (lab #M-45-8)
- ⁸ Kansas Department of Health and Environment for the analysis of drinking water, wastewater, and solid hazardous waste in accordance with the requirements of the National Environmental Laboratory Accreditation Program [NELAP] (Certificate No. E-10397)
- ⁹ Kentucky EPPC for the analysis of samples applicable to the Underground Storage Tank program (lab #75)
- ¹⁰ North Carolina DENR for the environmental analysis for NPDES effluent, surface water, groundwater, and pretreatment regulations (certificate #597)
- ¹¹ Pennsylvania Department of Environmental Protection (Registration No.: 68-04863)
- ¹² Wisconsin DNR for the chemical analysis of wastewater and solid waste (lab #998036710)



COOLER INSPECTION

Client Name: Arcelor Mittal USA, Inc.

Work Order Number: 12H0322

Checklist completed by: 8/8/2012 11:37:00AM | Ken Smith

Date: Wednesday, August 15, 2012

Date/Time Received: 08/08/2012 10:10

Received by: Ken Smith

Reviewed by: 8/8/2012 | CAG

Carrier Name: Microbac

Cooler ID: Default Cooler

Container/Temp Blank Temperature: 6.00°C

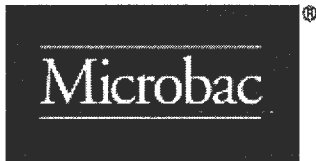
After-Hour Arrival?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>	
Shipping container/cooler in good condition?	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on sample containers?	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
COC present?	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	
COC included sufficient client identification?	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	
COC included sufficient sample collector information?	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	
COC included a sample description?	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	
COC agrees with sample labels?	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	
COC identified the appropriate matrix?	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	
COC included date of collection?	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	
COC included time of collection?	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	
COC identified the appropriate number of containers?	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	
Samples in proper container/bottle?	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	
Sample containers intact?	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	
All samples received within holding time?	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	
If the samples are preserved, are the preservatives identified?	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	

If No, adjusted by? _____

COC included the requested analyses?	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	
COC signed when relinquished and received?	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	
Samples received on ice?	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	
Samples properly preserved?	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	
Voa vials for aqueous samples have zero headspace?	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>	No VOA vials submitted <input checked="" type="checkbox"/>

Cooler Comments: _____

ANY "NO" EVALUATION (excluding After-Hour Receipt) REQUIRES CLIENT NOTIFICATION.



Sample ID	Client Sample ID	Comments
12H0322-01	12-1	
12H0322-02	12-1D	
12H0322-03	12-2	
12H0322-04	12-2D	
12H0322-05	12-3	
12H0322-06	12-3D	
12H0322-07	12-4	
12H0322-08	12-4D	
12H0322-09	12-5	
12H0322-10	12-5D	
12H0322-11	12-6	
12H0322-12	12-6D	
12H0322-13	12-7	
12H0322-14	12-7D	
12H0322-15	12-8	
12H0322-16	12-8D	

Microbac®

LABORATORY SERVICES

Samples Submitted to: ☒ 250 West 84th Drive
Merrillville, IN 46410
Tel: 219-769-8378
Fax: 219-769-1664

☐ 5713 West 85th Street
Indianapolis, IN 46278
Tel: 317-872-1375
Fax: 317-872-1379

Chain of Custody Record

Number 110219

Instructions on back

Client Name <u>ARCELOR MITTAL</u>	Project <u>ORE DOCK WALL</u>	Turnaround Time	Report Type
Address <u>250 W. US HWY 12</u>	Location <u>BURNS HARBOR IN</u>	<input checked="" type="checkbox"/> Routine (7 working days)	<input checked="" type="checkbox"/> Results Only <input type="checkbox"/> Level II
City, State, Zip <u>BURNS HARBOR IN 46304</u>	PO #	<input type="checkbox"/> RUSH* (notify lab)	<input type="checkbox"/> Level III <input type="checkbox"/> Level III CLP-like
Contact <u>TERI KIRK</u>	Compliance Monitoring? <input type="checkbox"/> Yes(1) <input checked="" type="checkbox"/> No	(needed by)	<input type="checkbox"/> Level IV <input type="checkbox"/> Level IV CLP-like
Telephone # <u>219-787-4643</u>	(1) Agency/Program		<input type="checkbox"/> EDD
Sampled by (PRINT) <u>STEVEN STANFORD</u>	Sampler Signature <u>[Signature]</u>	Sampler Phone # <u>574-271-3447</u>	
Send Report via <input type="checkbox"/> Mail <input type="checkbox"/> Telephone <input type="checkbox"/> Fax (fax #)	E-mail (address) <u>theresa.kirk@arcelor-mittal.com</u>		

* Matrix Types: Soil/Solid (S), Sludge, Oil, Wipe, Drinking Water (DW), Groundwater (GW), Surface Water (SW), Waste Water (WW), Other (specify)

** Preservative Types: (1) HNO₃, (2) H₂SO₄, (3) HCl, (4) NaOH, (5) Zinc Acetate, (6) Methanol, (7) Sodium Bisulfate, (8) Sodium Thiosulfate, (9) Hexane, (U) Unpreserved

Client Sample ID	Matrix*	Grab	Composite	Filtered	Date Collected	Time Collected	No. of Containers	Requested Analyses → Preservative Types ** ↓	Total Analytes									For Lab Use Only
12-1	GW	Y		N	8-7-12	0920	1	H ₂ SO ₄										12H0322 01
12-1D						0920												02
12-2						0955												03
12-2D						0955												04
12-3						1010												05
12-3D						1010												06
12-4						1052												07
12-4D						1052												08
12-5						1105												09
12-5D						1105												10
12-6						1125												11

Possible Hazard Identification <input type="checkbox"/> Hazardous <input checked="" type="checkbox"/> Non-Hazardous <input type="checkbox"/> Radioactive	Sample Disposition <input checked="" type="checkbox"/> Dispose as appropriate <input type="checkbox"/> Return <input type="checkbox"/> Archive
Comments CUSTODY SEALED AND LEFT IN SECURE ARCELOR MITTAL LAB FOR ANALYSIS	Relinquished By (signature) <u>[Signature]</u> Date/Time <u>8-7-12 1313</u> Received By (signature) <u>[Signature]</u> Date/Time <u>8/7/12 1313</u>
	Relinquished By (signature) <u>[Signature]</u> Date/Time <u>8/8/12 0830</u> Received By (signature) <u>[Signature]</u> Date/Time <u>8/8/12 830</u>
Sample temperature upon receipt in degrees C = <u>6.0°C</u>	Relinquished By (signature) <u>[Signature]</u> Date/Time <u>8/9/12 1000</u> Received for Lab By (signature) <u>[Signature]</u> Date/Time <u>8/9/12 1010</u>



**[] 5713 West 85th Street
Indianapolis, IN 46278
Tel: 317-872-1375
Fax: 317-872-1379**

Number 109016

Instructions on back

Client Name <u>ARUNOIR MITAL</u>	Project <u>ORE DOCK WAH</u>	Turnaround Time <input checked="" type="checkbox"/> Routine (7 working days) <input type="checkbox"/> RUSH* (notify lab) (needed by) _____	Report Type	
Address <u>250 W. US HWY 12</u>	Location <u>BURNS HARBOR IN</u>		<input checked="" type="checkbox"/> Results Only <input type="checkbox"/> Level II	
City, State, Zip <u>BURNS HARBOR IN 46304</u>	PO # _____		<input type="checkbox"/> Level III <input type="checkbox"/> Level III CLP-like	
Contact <u>TERI KIRK</u>	Compliance Monitoring? <input type="checkbox"/> Yes(1) <input checked="" type="checkbox"/> No		<input type="checkbox"/> Level IV <input type="checkbox"/> Level IV CLP-like	
Telephone # <u>219-787-4643</u>	(1) Agency/Program _____		<input type="checkbox"/> EDD	
Sampled by (PRINT) <u>STEVEN STANFORD</u>		Sampler Signature <u>[Signature]</u>		Sampler Phone # <u>574-271-3447</u>
Send Report via <input type="checkbox"/> Mail <input type="checkbox"/> Telephone <input type="checkbox"/> Fax (fax #) _____		e-mail (address) <u>theresa.kirk@arcelormittal.com</u>		

* **Matrix Types:** Soil/Solid (S), Sludge, Oil, Wipe, Drinking Water (DW), Groundwater (GW), Surface Water (SW), Waste Water (WW), Other (specify)

[illegible]

Possible Hazard Identification	<input type="checkbox"/> Hazardous	<input checked="" type="checkbox"/> Non-Hazardous	<input type="checkbox"/> Radioactive	Sample Disposition	<input checked="" type="checkbox"/> Dispose as appropriate	<input type="checkbox"/> Return	<input type="checkbox"/> Archive
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Comments

CUSTODY SEALED AND
LEFT IN SQUARE FREIGHTS TRAILER
LOD FOR PICK UP

Relinquished By (signature)

Date/Time

Received By (signature)

Date/Time

Relinquished By (signature)

Date/Time

Received By (signature)

Date/Time

Relinquished By (signature)

Date/Time

Received for Lab By (signature) _____

Date/Time

Sample temperature upon receipt in degrees C = 6

ArcelorMittal Burns Harbor, LLC.
Flat Carbon Steel



CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. James Filippini
Mr. Douglas Lamb
Water Division Compliance Branch
United States Environmental Protection Agency, Region V
77 West Jackson Boulevard (WC-15J)
Chicago, Illinois 60604-3590

RECEIVED

OCT 11 2012

October 9, 2012
PJ/DW

WATER ENFORCEMENT & COMPLIANCE
ASSURANCE BRANCH, EPA, REGION 5

Subject: Annual Dock Wall Observation and Repair
Consent Decree – Case No. 2:96-CV-96-RL-1
ArcelorMittal Burns Harbor LLC

Reference: Letter, R. A. Maciel to Messrs. Filippini and Lamb, same subject, dated August 31, 2012

Dear Messrs. Filippini and Lamb:

As indicated in the referenced letter, attached are the summary table from the Reference which has been updated to include the dates of repair and photographs of each of the eight (8) locations after repair. Repairs were initiated on September 14 and were completed on September 26, 2012.

If there are any questions concerning this matter, please contact T. E. Kirk or me at (219) 787-2712.

Very truly yours,

R. A. Maciel, Manager
Environmental Management Department

Attachments

CC: J. Jungmann, EPA Region 5 Water Division (WC-15J)
D. P. Bley

ArcelorMittal Burns Harbor, LLC. T +1 219 787 2712
Environmental Mgmt. Dept. F +1 219 787 4973
250 W. U.S. Highway 12 www.arcelormittal.com
Burns Harbor, IN 46304
USA



ArcelorMittal Burns Harbor, LLC
Annual Dock Wall Observation
Consent Decree – Case No. 2:96-CV-96-RL-1

Attachment 1 – Summary Report of the Annual dock Wall Inspection



ArcelorMittal Burns Harbor, LLC
August 7, 2012 Dock Wall Inspection
Performed by: Weaver Boos Consultants

ID Number	Height Above Water (feet)	Estimated Flow Rate (Liters/minute)	Estimated Flow (Gal/Min)	Ammonia Concentration * (mg/L)	Ammonia Discharge (Pounds/day)	Date of Repair
12-1	0.2	20	5.3	5.0	0.31	9/20/2012
12-2	7	8	2.1	4.8	0.12	9/26/2012
12-3	8	2	0.5	2.2	0.01	9/20/2012
12-4	5	2	0.5	0.8	<0.01	9/19/2012
12-5	7	1.5	0.4	5.5	0.03	9/24/2012
12-6	2	8	2.1	3.2	0.08	9/20/2012
12-7	2	20	5.2	2.5	0.16	9/26/2012
12-8	1	3	0.8	0.1	<.01	9/14/2012

Total Potential Ammonia Discharge (pounds per day) from all locations: 0.73

* Results reported are the larger of the sample and duplicate analysis.